

## ABSTRACT

An encryption processing unit encrypts encoded data while changing an encryption key for at least one encryption block, and generates management information including key application information and application range information. A recording unit records the encrypted encoded-data and the management information on a recording medium. The encryption processing unit encrypts, when encryption key change timing is in a middle of encryption of the intraframe encoded image, at least one intraframe encoded image with a single encryption key to prevent the encryption key from being changed in the middle of the encryption of the one intraframe encoded image.